

SEQUENCE LISTING

<110> Abbott, Geoffrey W.
 Sesti, Federico
 Splawski, Igor
 Keating, Mark T.
 Goldstein, Steve A.N.
 University of Utah Research Foundation
 Yale University

<120> MinK-Related Genes, Formation of Potassium Channels and
 Association with Cardiac Arrhythmia

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<150> US 60/129,404
 <151> 1999-04-15

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<170> PatentIn Ver. 2.0

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Gln Val Pro Leu Met Leu Asn Met Leu Gln Glu Ser Val Ala Pro Ala
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 <212> PRT
 <213> Mus musculus

<400> 12
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 1 5 10 15
 Ser Ser Ser Pro Leu Glu Ser His Val Pro Ser Asn Ser Ser Gly Asn
 20 25 30
 Gly Asn Glu Tyr Phe Tyr Ile Leu Val Val Met Ser Phe Tyr Gly Val
 35 40 45
 Phe Leu Ile Gly Ile Met Leu Gly Tyr Met Lys Ser Lys Arg Arg Glu
 50 55 60
 Lys Lys Ser Ser Leu Leu Leu Tyr Lys Asp Glu Glu Arg Leu Trp
 65 70 75 80

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Gly Glu Ala Met Lys Pro Leu Pro Met Met Ser Gly Leu Arg Ser Gly
 85 90 95
 Gln Val Pro Met Met Leu Asn Met Leu Gln Glu Ser Val Ala Pro Ala
 100 105 110
 Leu Ser Cys Thr Leu Cys Ser Met Glu Gly Asp Ser Val Ser Ser Glu
 115 120 125
 Ser Ser Ser Pro Asp Val His Leu Pro Ile Gln Glu Gly Ala Asp
 130 135 140
 Asp Glu Leu Glu Glu Thr Ser Glu Thr Pro Leu Asn Asp Ser Ser Glu
 145 150 155 160
 Gly Ser Ser Glu Asn Ile His Gln Asn Ser
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<210> 13
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 <212> DNA
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<220>
 <223> Description of Artificial Sequence:PCR primer for
 mutation screening

<400> 13
 ccgttttctt aaccttggtc g 21

<210> 14
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:PCR primer for
 mutation screening

<400> 14
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<210> 15
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:PCR primer for
 mutation screening

<400> 15
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<210> 16
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 <213> Artificial Sequence

<220>

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<223> Description of Artificial Sequence:PCR primer for mutation screening

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<210> 17
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<220>
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<400> 17
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<210> 18
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<212> DNA
<213> Artificial Sequence

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<400> 18
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<223> Description of Artificial Sequence:HA residues for epitope mapping

<220>
<221> PEPTIDE
<222> (10)
<223> Xaa represents encoded stop codon.

<400> 19
Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Xaa
1 5 10

<210> 20
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:cmv residues for epitope-mapping

<220>
<221> PEPTIDE
<222> (15)

09550163-041400

<223> Xaa represents encoded stop codon.

<400> 20

Ile	Ser	Met	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	Asp	Leu	Asn	Xaa
1				5					10					15

09550163.041400